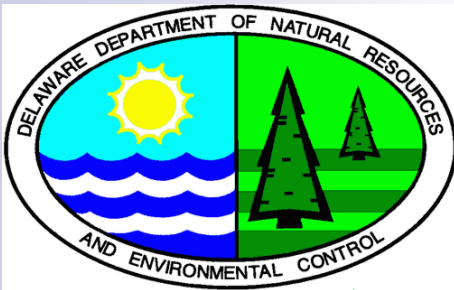




7 DE Admin Code 1138 **Section 13**

Methylene Chloride Paint Stripping Operations



Public Hearing
June 10, 2010

Blue Skies Delaware; Clean Air for Life

Clean Air Act Amendments of 1990

- Congress identified 189 Hazardous Air Pollutants or HAPs
- Congress directed the EPA
 - To identify emission sources of those 189 HAPs and
 - To issue regulations to reduce HAPs emissions from those sources



Clean Air Act Amendments of 1990

- Congress directed the EPA to
 - Begin with those industrial facilities that typically have large HAPs emissions (**major sources**)
 - Only later, move on to those facilities that typically have small HAPs emissions (**area sources**)



Clean Air Act Amendments of 1990

- EPA activities on **major sources**
 - 1992 - EPA published its initial listing of predominately major source categories
 - 1993 – 2004 - EPA issued over 100 regulations addressing HAPs emissions from a wide variety of major sources
 - 2005 and on - EPA continues, but most resources have moved on to **area sources**



Clean Air Act Amendments of 1990

EPA's Area Source Air Toxics Program

As directed by Congress in 1990



Blue Skies Delaware; Clean Air for Life

EPA's Area Source Air Toxics Program

- Congress required EPA to
 - **Identify** 30+ HAPs that present the greatest threat to public health
 - **Identify** types of sources that emit 90% of these 30+ HAPs
 - **Issue** regulations to reduce adverse health effects due to the emission of HAPs from these small facilities



EPA's Area Source Air Toxics Program

- EPA activities on **area sources**
- **1999** - EPA published its listing of **33 HAPs** having the greatest health impact (in handouts)
- **By 2002** - EPA had identified **over 60** area source categories (in handouts)
- **2006** - EPA began to focus more resources on these area sources

33 HAPs & Area Source Categories

Formaldehyde
Hexachlorobenzene
Hydrazine
Lead compounds
Manganese compounds
Mercury compounds
Methylene chloride
Nickel compounds
Polychlorinated biphenyls
(PCBs)
Polycyclic organic matter(POM)



Which Brings Us to Tonight's Public Hearing



EPA's Area Source Air Toxics Program

- On January 9, 2008, EPA issued another area source standard
- **Paint Stripping** and Miscellaneous Surface Coating Operations at Area Sources
- 40 CFR Part 63 Subpart HHHHHH
(Sub 6Hs)
- Federal adoptions of Area Source Standards lead to internal Departmental review



DE's Area Source Air Toxics Program

- **Review of Federal Area Source Standards**
 - **Are there any Delaware sources?**
 - **How do the Federal requirements compare to existing Delaware air regulations?**
 - **Do the Federal requirements adequately meet the needs of the public, the regulated community, and the Department?**
 - **Are additional communications and outreach needed?**



Results of Departmental Review of Sub 6Hs

- There were **no known Delaware sources**; however, there was a high likelihood that sources could exist
- There were **no comparable** requirements between Sub 6Hs and Delaware's regulations or permits
- The Department concluded there was a **need to adopt Sub 6Hs** under DE's Area Source Air Toxics program



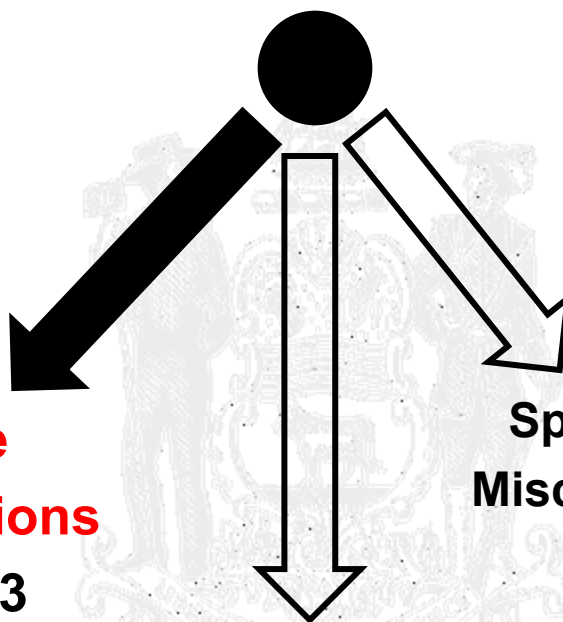
Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources

40 CFR Part 63 Subpart HHHHHH or Sub 6Hs



**Methylene Chloride
Paint Stripping Operations**

Reg. 1138 Section 13



**Spray Coating Operations for
Miscellaneous Parts or Products**

Reg. 1138 Section 14

**Spray Coating Operations for
Motor Vehicles or Mobile Equipment**

Reg. 1138 Section 15



Blue Skies Delaware; Clean Air for Life

Chemical Paint Stripping



Blue Skies Delaware; Clean Air for Life

Chemical Paint Stripping



Blue Skies Delaware; Clean Air for Life

Section 13 (Sub 6Hs) provides Best Management Practices

- **Determine if** paint stripping is truly necessary
- If stripping is necessary, **determine whether an alternative** non-MeCl technology can be used
- **If no alternative**, reduce the exposure of MeCl to air
- **Optimize application conditions** to reduce MeCl evaporation
- **Properly storage and dispose** of paint strippers containing MeCl



DNREC's Proposed Section 13

- Draft Section 13 of Reg. 1138 was presented in **3 public workshops** held in September 2009 and **3 more** in February 2010
- Proposed Section 13 appeared in the May 1, 2010 Delaware Register of Regulations



Office of the Registrar of Regulations,
Legislative Council,
State of Delaware



In closing
The Department
Would like to add



The Department Exhibits

The Department offers

- **36 exhibits** and asks that they be incorporated into the hearing record as DNREC Exhibits **13-1 through 13-36**
- **DNREC Exhibit 13-1** provides a brief description of each of these exhibits
- **DNREC Exhibit 13-1** has also been included in public hearing handouts for the benefit of those attending tonight's public hearing



The Department's Exhibits Demonstrate

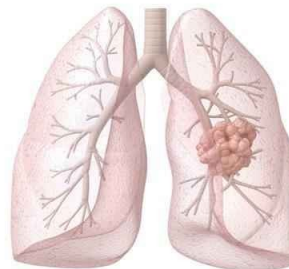
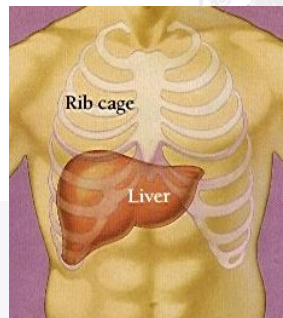
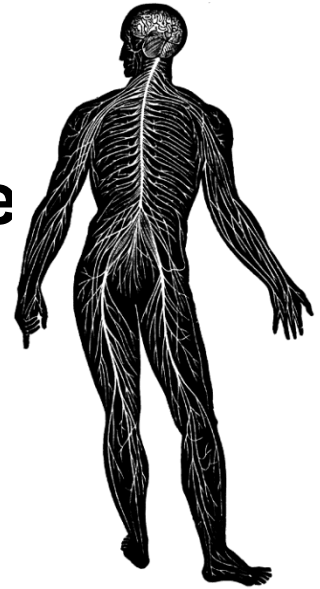
The Department has

- **Met all Statutory and Departmental** requirements throughout the development of Section 13
- **Provided the public** with complete, timely information through the Section 13 Regulatory Web Page



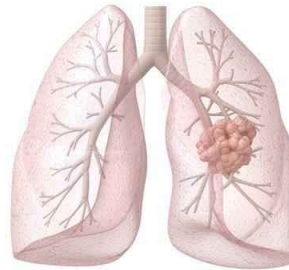
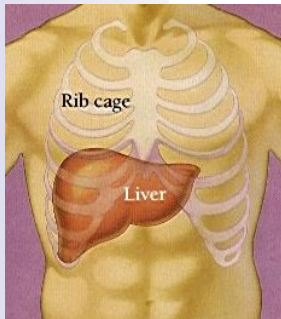
The Department's Exhibits Demonstrate

- Methylene Chloride - **Acute** Effects
Central nervous system, but reversible
- Methylene Chloride - **Chronic** effects
Central nervous system
- EPA consider MeCl a probable carcinogen (B2)



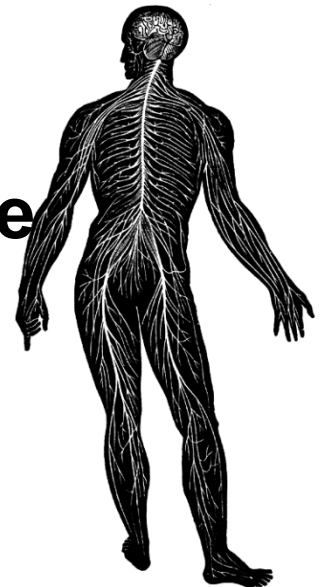
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For the latest information,
follow the ongoing development of
Section 13 Regulatory Web Page

www.awm.delaware.gov/Info/Regs/Pages/Section13.aspx

